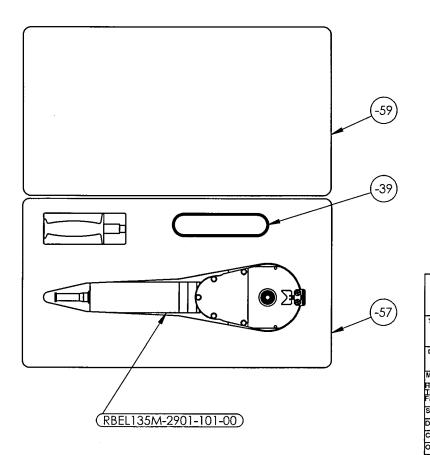
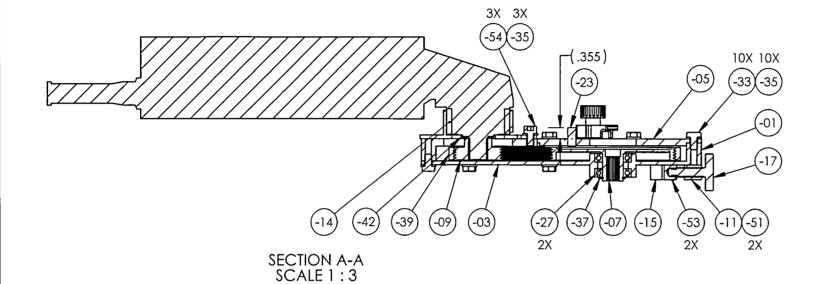
	REVISIONS							
REV	ECN	DESCRIPTION	DATE	INITIAL	APPROVED			
A	220	220 VOLT TOOL	8/27/2018	KK	ML			

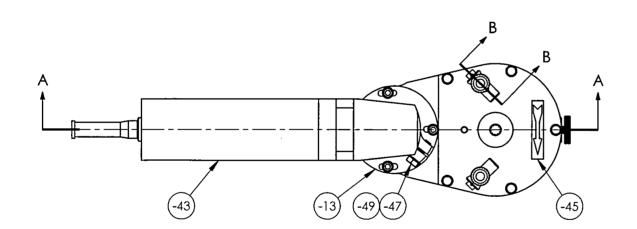
18-790

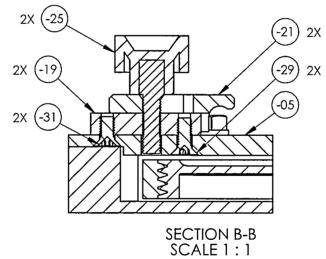
ASSY QTY	ASSY QTY	В/О	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	Х		-00	1	HYDRAULIC PUMP DRIVE TOOL			2
	1		-01		CASE	6061		3
	1		-03		BOTTOM COVER	6061		4
	1		-05		TOP COVER	6061		5
	1		-07		GEARED PULLEY	1018/1020 CR		6
	1		-09		DRIVE PULLEY	6061		7
	ı		-11		CLAMP TOP	A36/1018/1020 HR		8
	1		-13		MOTOR CLAMP	6061		9
	1		-14		COLLAR	6061		10
	1		-15		CLAMP	6061		11
	1		-17		THUMB SCREW	S.S.	M8 X 1.25 X 30mm (J.W. WINCO #8N30F48S) MODIFIED	12
	2		-19	1	SLIDE GUIDE	1018/1020 CR		13
	2		-21		SLIDE	1018/1020 CR		14
	ī		-23		PIN	303/304		15
•	2	B/O	-25		THREADED KNOB		M5 X .08 X 16mm (J.W. WINCO #5N16DD1)	2
	2	B/O	-27		BEARING		6903RU (MCMASTER-CARR #5972K289)	2
	2	B/O	-29		FLAT HEAD MACHINE SCREW	STEEL	M4 X 0.7 X 10mm (MCMASTER-CARR #91420A220)	2
	2	B/O	-31		FLAT HEAD MACHINE SCREW	STEEL	M4 X 0.7 X 8mm (MCMASTER-CARR #91420A218)	2
	10	B/O	-33		HEX HEAD CAP SCREW	STEEL	M6 X 1 X 10mm (MCMASTER-CARR #91280A322)	2
	13	B/O	-35		FLAT WASHER	STEEL	Ø6mm (MCMASTER-CARR #91166A250)	2
	1	B/O	-37		EXTERNAL SNAP RING	S.S.	Ø17mm (SHAFT) (MCMASTER-CARR #90967A210)	2
	1	B/O	-39	1	POLY-V GROOVE BELT	NEOPRENE	180J4 (MCMASTER-CARR #9003K41)	2
	1	B/O	-42		FLAT WASHER	STEEL	Ø5/8 X .063 thick (AIRCRAFT SPRUCE #AN960-1016)	2
	1	B/O	-43		SMALL ANGLE GRINDER MOTOR		MILWAUKEE #AGV15-125XE	2
	1	B/O	-45		ARROW EMBLEM	VINYL	1/16 X 1/2 X 2-1/2 (SIGNS NOW)	16
	1	B/O	-47		HEX HEAD CAP SCREW	STEEL	M8 X 1.25 X 25mm (MCMASTER-CARR #91280A534)	2
	ī	В/О	-49		FLAT WASHER	STEEL	Ø8mm (MCMASTER-CARR #91166A270)	2
	2	B/O	-51	1	FLAT HEAD MACHINE SCREW	STEEL	M6 X 1 X 25mm (MCMASTER-CARR #91420A430)	2
	2	B/O	-53		DOWEL PIN	S.S.	Ø2mm X 12mm (MCMASTER-CARR #91585A010)	2
	3	B/O	-54		SOCKET HEAD CAP SCREW	S.S.	M6 X 1 X 10mm (MCMASTER-CARR #91292A441)	2
		B/O	-55	1	CASE	PLASTIC	PELICAN #APP-1605-E	N/S
		В/О	-57	1	BOTTOM TOOL CUSHION	ETHAFOAM 220, BLACK	6.39 X 14.45 X 26.45 (CASE SOLUTIONS)	17
		B/O	-59	1	TOP FOAM	ETHAFOAM 220, BLACK	2.01 X 14.52 X 26.35 (CASE SOLUTIONS)	18
		B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
_	ASSY -00			1				1



TITLE HYDRAULIC PUMP DRIVE TOOL DWG NO. RBEL135M-2901-101 MATL HEAT IREAT IREAT





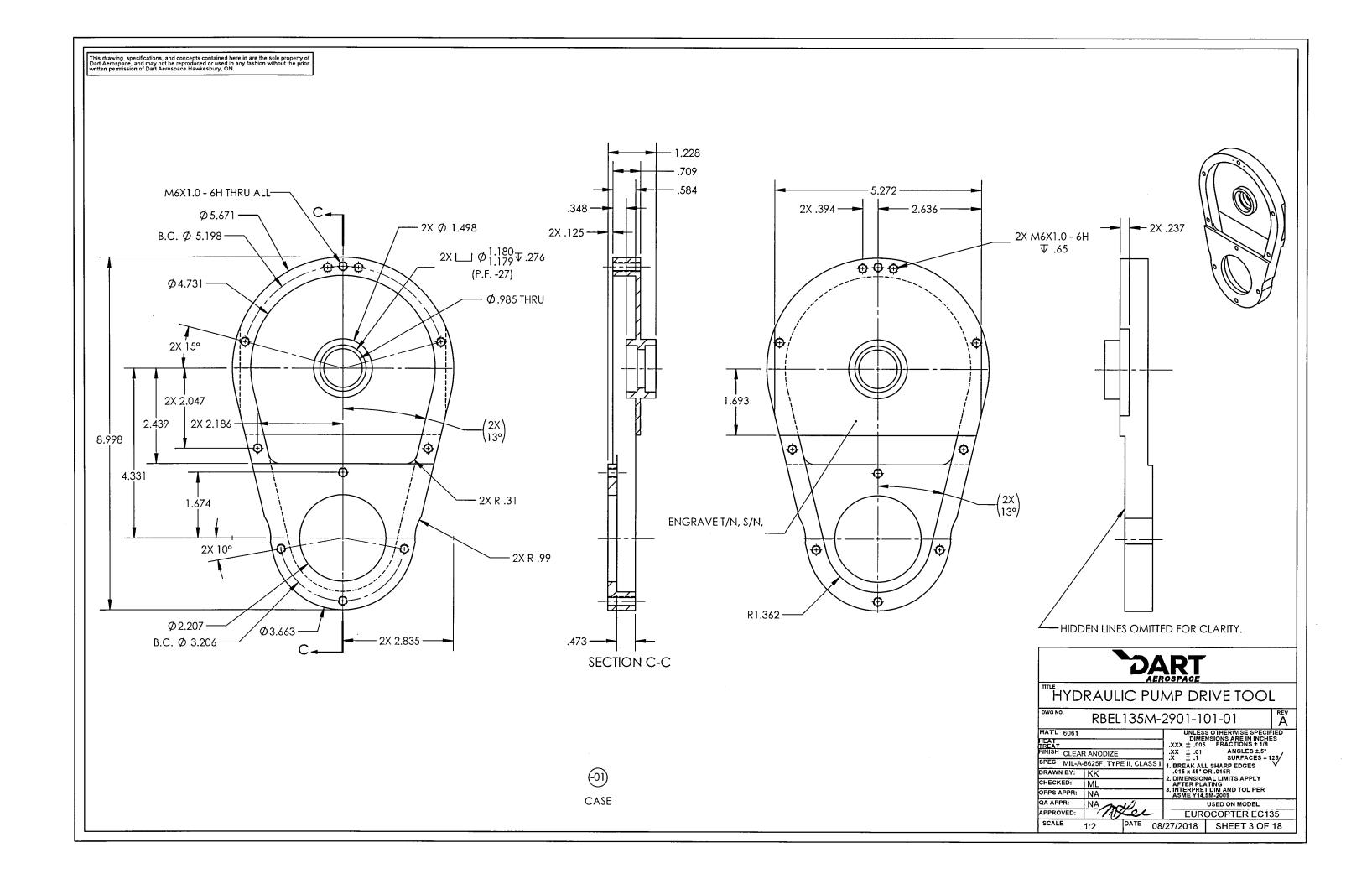


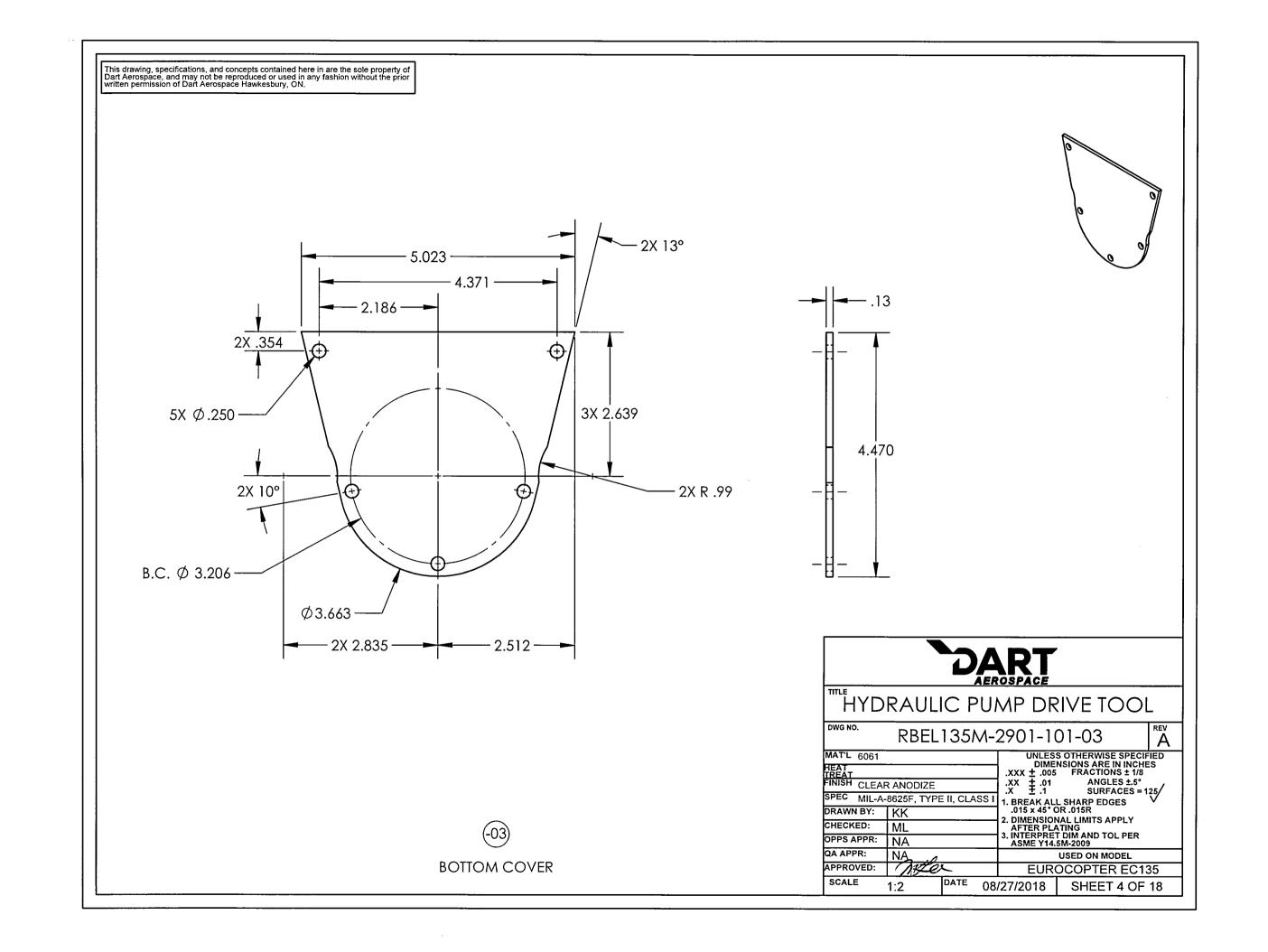
NOTES: 2. -13, -14, & -42 USED WITH GRINDER: MILWAUKEE #AGV15-125XE

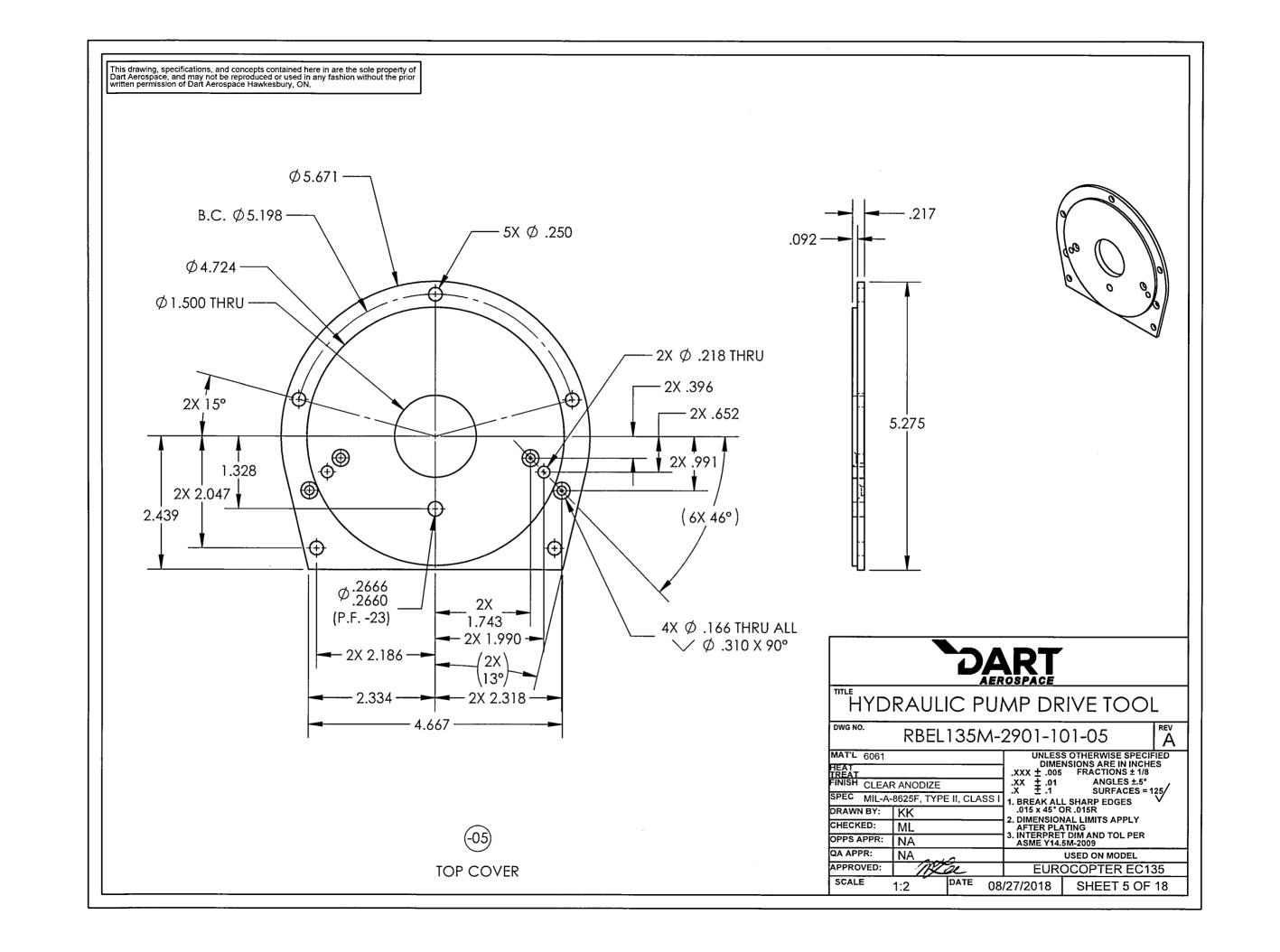
TITLE HYDRAULIC PUMP DRIVE TOOL DWG NO. RBEL135M-2901-101-00 MATL HEAT TREAT TREAT TRINISH SPEC DRAWN BY: CHECKED: DRAWN BY: CHECKED: ML OPPS APPR: NA QA APPR: NA APPROVED: DATE DATE DATE DATE 08/27/2018 DRIVE TOOL REV A ROL REV A APPROVED: LULLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES XXX ± .00 FRACTIONS 1/18 XXX ± .01 ANGLES ±5° X ± .1 SURFACES = 125/ 1. BREAK ALL SHARP EDGES 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.55M-2009 USED ON MODEL SCALE 1:4 DATE 08/27/2018 SHEET 2 OF 18

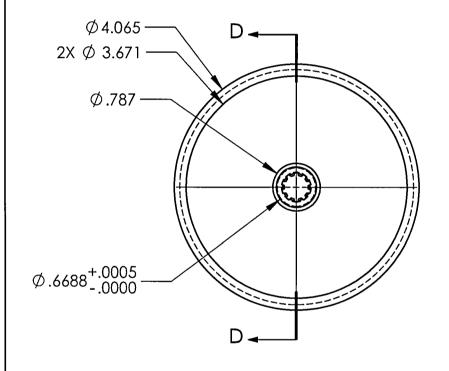
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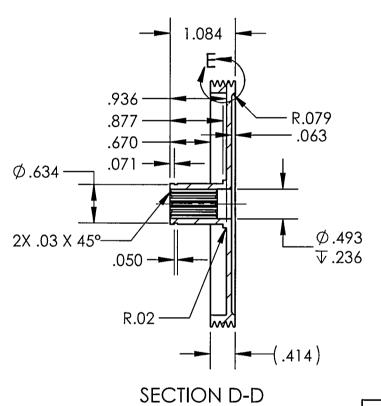
HYDRAULIC PUMP DRIVE TOOL

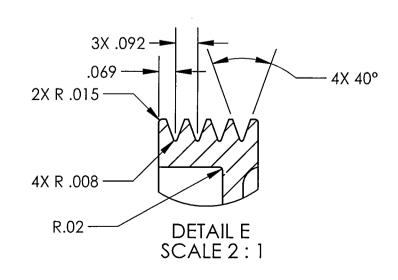














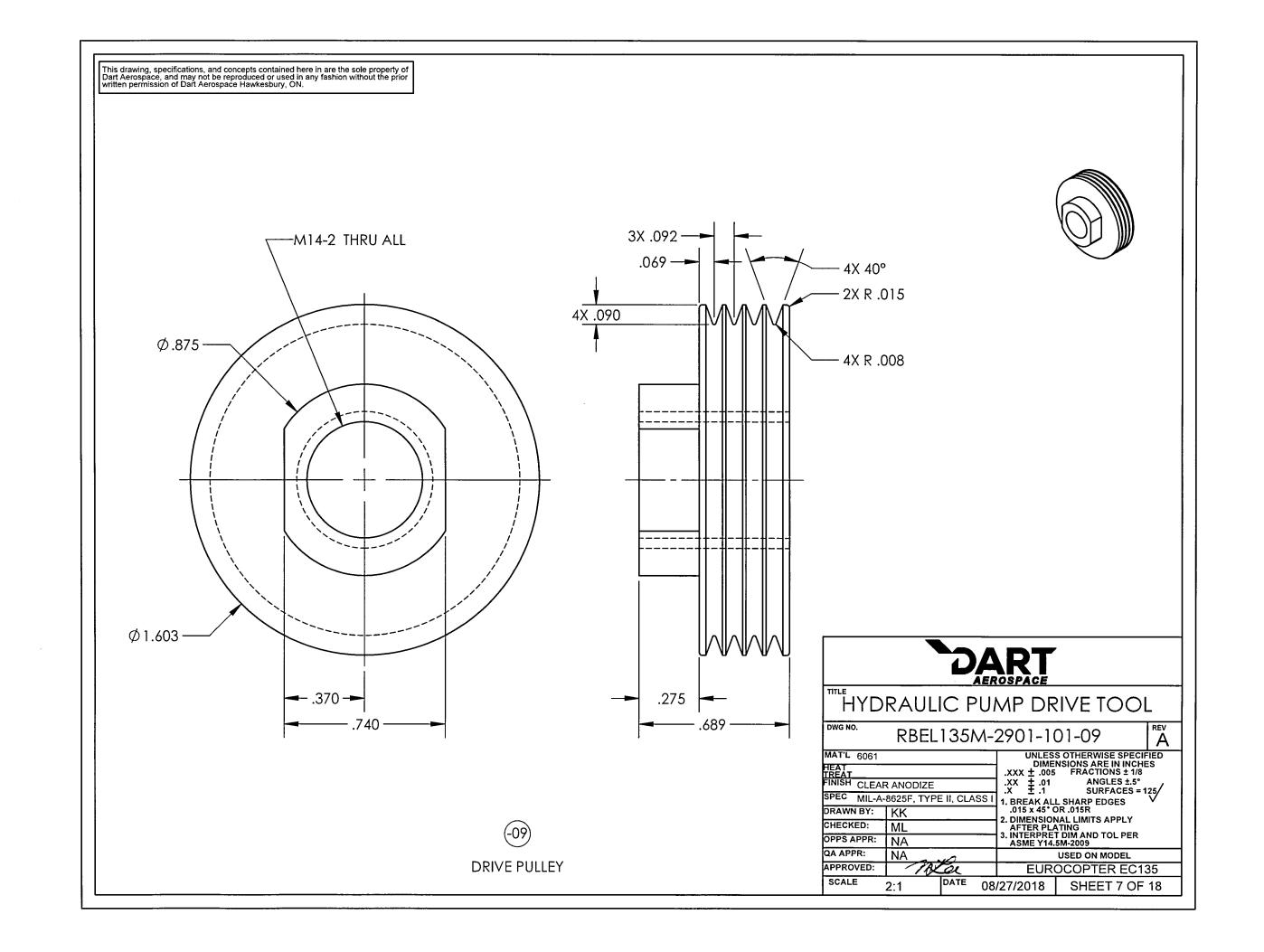


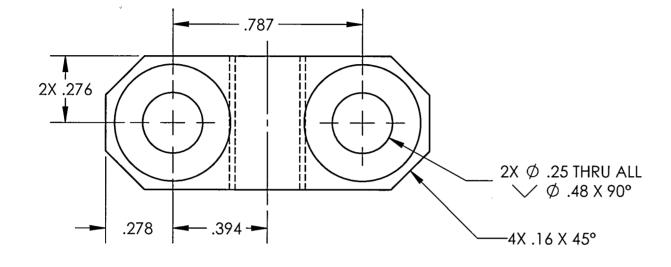
SPUR GEAR DATA						
NO. OF TEETH	10					
MOD	1.0					
THREE TEETH	.303					
PITCH DIA.	Ø.428					
DIAMETRAL PITCH	7					
PRESSURE ANGLE	30°					
MAJOR DIAMETER	.480					
MINOR DIAMETER	.395					
CASTING OF	INTERNAL GEAR					
GEAR STANDRARD	5480					

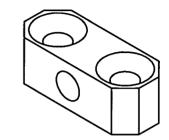
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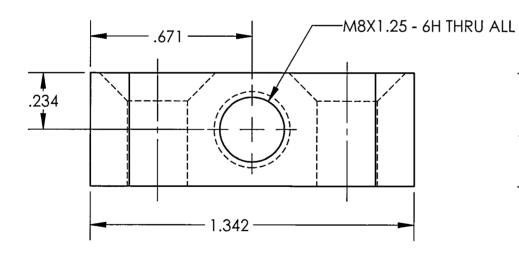
HYDRAULIC PUMP DRIVE TOOL

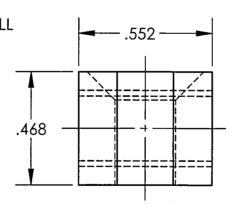
RBEL135M-2901-101-07						
MAT'L 1018/1020 CR HEAT TREAT		UNLESS OTHERWISE SPECIFIE DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ±.5° .X ± .1 SURFACES = 125 1. BREAK ALL SHARP EDGES				
FINISH ZINC PLATE SPEC ASTM B633 TYPE	ISC 2					
DRAWN BY: KK		2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009				
OPPS APPR: NA						
QA APPR: NA	V.		USED ON MODEL			
APPROVED:	De_	EUROCOPTER EC135				
SCALE 1:2	DATE 08	/27/2018	SHEET 6 OF	18		











-11

CLAMP TOP

DART

HYDRAULIC PUMP DRIVE TOOL

A REV RBEL135M-2901-101-11 UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES

.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ±.5°

.X ± .1 SURFACES = 125/ MAT'L A36/1018/1020 HR HEAT TREAT FINISH ZINC PLATE SURFACES = 125 SPEC ASTM B633 TYPE I SC 2 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R DRAWN BY: KK 2. DIMENSIONAL LIMITS APPLY AFTER PLATING B. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 CHECKED: ML OPPS APPR: NA QA APPR: NA USED ON MODEL APPROVED: **EUROCOPTER EC135**

08/27/2018

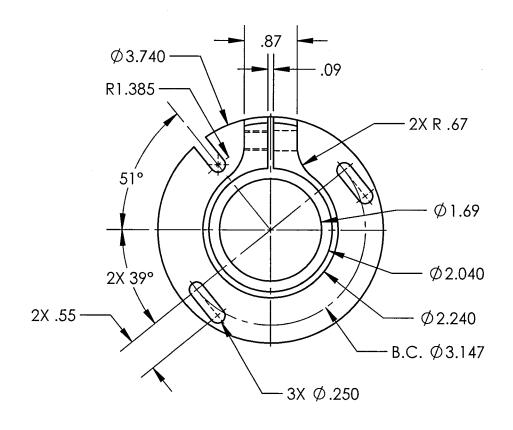
SHEET 8 OF 18

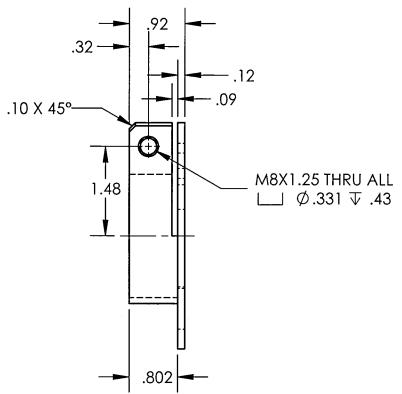
DATE

SCALE

2:1









HYDRAULIC PUMP DRIVE TOOL

RBEL135M-2901-101-13

MAT'L 6061

HEAT TREAT FINISH CLEAR ANODIZE

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± .5°
.X ± .1 SURFACES = 125/
1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING
3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009 SPEC MIL-A-8625F, TYPE II, CLASS I

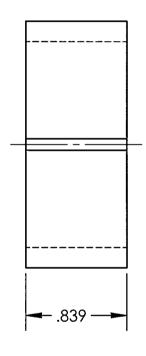
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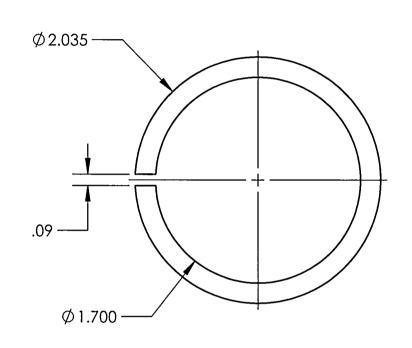
DRAWN BY: KK CHECKED: ML OPPS APPR: NA QA APPR: NA USED ON MODEL

APPROVED: **EUROCOPTER EC135** SCALE 1:2 08/27/2018 SHEET 9 OF 18

MOTOR CLAMP









HYDRAULIC PUMP DRIVE TOOL

RBEL135M-2901-101-14

			, ,			
MAT'L 6061		UNLESS OTHERWISE SPECIFI DIMENSIONS ARE IN INCHE				
HEAT TREAT		.XXX ± .005 FRACTIONS ± 1/8	3			
_	R ANODIZE	.XX	5/			
SPEC MIL-A-	8625F, TYPE II, CLASS I	1. BREAK ALL SHARP EDGES				
DRAWN BY:	KK	.015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY				
CHECKED:	ML	AFTER PLATING				
OPPS APPR:	NA	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009				
QA APPR:	NA a	USED ON MODEL				

APPROVED: SCALE 1:1

08/27/2018 SHEET 10 OF 18

EUROCOPTER EC135



COLLAR

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HEAT
TREAT
FINISH CLEAR ANODIZE

SPEC MIL-A-8625F, TYPE II, CLASS I

DRAWN BY: KK

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ±.5°
.X ± .1 SURFACES = 125/
1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R
.DMENSIONAL HIMTS APPLY HEAT TREAT FINISH CLEAR ANODIZE DRAWN BY: KK 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 CHECKED: ML (-15) OPPS APPR: NA QA APPR: NA USED ON MODEL APPROVED: **EUROCOPTER EC135** CLAMP SCALE 08/27/2018 2:1 **SHEET 11 OF 18**

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DIMENSIONS ARE IN INCHES

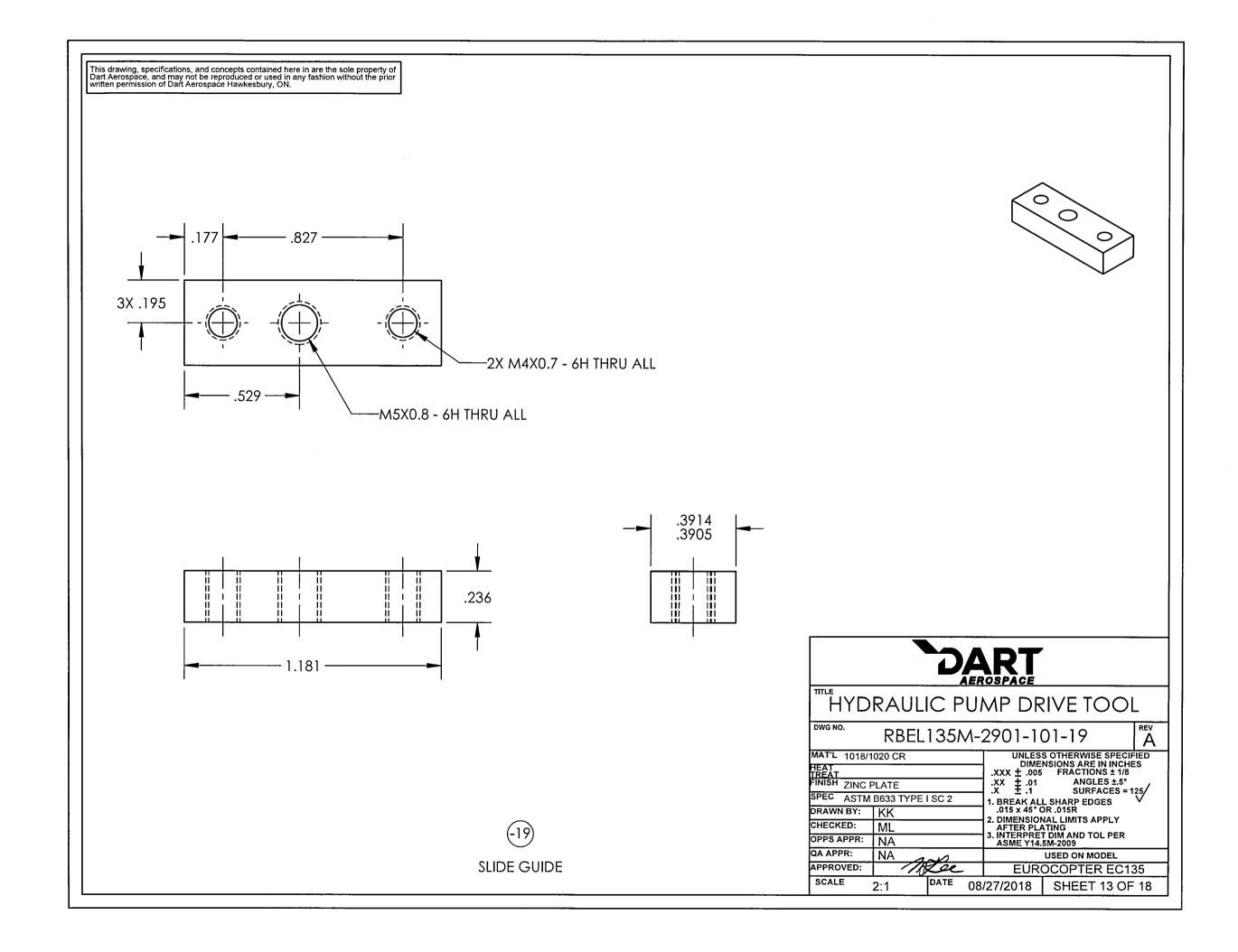
.XXX ± .005 FRACTIONS ± 1/8

.XX ± .01 ANGLES ± .5°

X ± .1 SURFACES = 125/

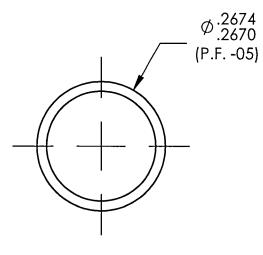
1. BREAK ALL SHARP EDGES

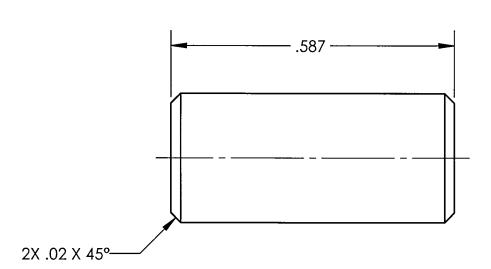
.015 x 45° OR .015R MAT'L S.S. HEAT TREAT FINISH SPEC DRAWN BY: KK 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 CHECKED: ML OPPS APPR: NA QA APPR: NA USED ON MODEL THUMB SCREW APPROVED: **EUROCOPTER EC135** SCALE DATE 08/27/2018 2:1 **SHEET 12 OF 18**



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DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX + .01 ANGLES ±.5°
.X ± .1 SURFACES = 125/ MAT'L 1018/1020 CR HEAT TREAT FINISH ZINC PLATE SURFACES = 125 SPEC ASTM B633 TYPE I SC 2 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R DRAWN BY: KK 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 CHECKED: ML (-21) OPPS APPR: NA QA APPR: NA USED ON MODEL APPROVED: **EUROCOPTER EC135** SLIDE SCALE DATE 08/27/2018 1:1 SHEET 14 OF 18







DART

HYDRAULIC PUMP DRIVE TOOL

RBEL135M-2901-101-23

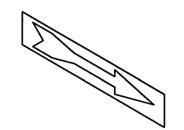
RATIL 202/204

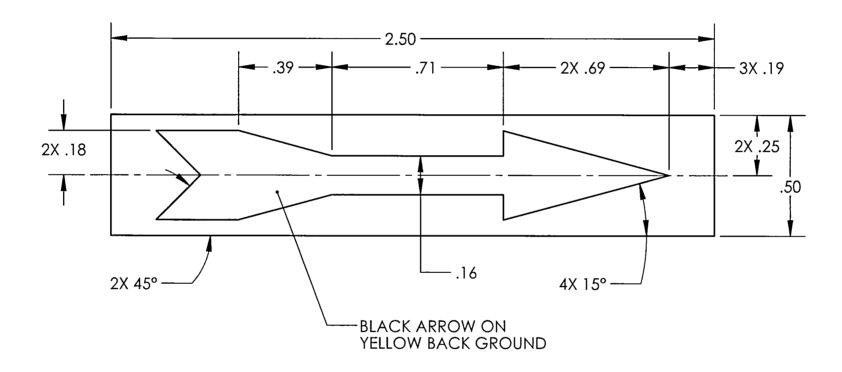
REV A

MAT'L 303/3	04		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
HEAT TREAT			.XXX ± .005 FRACTIONS ± 1/8			
FINISH			.XX ± .01			
SPEC			.X ± .1 SURFACES = 125/ 1. BREAK ALL SHARP EDGES			
DRAWN BY: KK				.015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY		
CHECKED: ML				AFTER PLA	ATING	
OPPS APPR:	NA			ASME Y14.	T DIM AND TOL PER 5M-2009	
QA APPR: NA				USED ON MODEL		
APPROVED: //OCar				EUROCOPTER EC135		
SCALE	4:1	DATE	08	/27/2018	SHEET 15 OF 18	

PIN

(-23)







"HYDRAULIC PUMP DRIVE TOOL

RBEL135M-2901-101-45

SCALE

				00	, ,		
MAT'L VINYL IEAT REAT			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8				
INISH			.XX ± .03	ANGLES ±1° SURFACES = 1	25/		
SPEC			1. BREAK ALL SHARP EDGES .015 x 45° OR .015R -2. DIMENSIONAL LIMITS APPLY				
RAWN BY:	KK						
HECKED:	ML		AFTER PLA				
PPS APPR:	NA		ASME Y14.				
QA APPR:	NA _	2 ~		USED ON MODEL			
PPROVED:	1	lee	EUR	OCOPTER EC13	35		
SCALE 2:1		DATE 08	/27/2018	SHEET 16 OF	18		



ARROW EMBLEM

